



MIAMI-SOUTH FLORIDA

National Weather Service

Forecast Office

<http://www.weather.gov/miami>

September 2014 Weather Summary

Seasonably Wet

October 2, 2014: The last full month of the rainy season, much like the rainy season of 2014, was seasonably wet over most of south Florida. Although no major tropical systems affected the area, our September weather pattern was dominated by high moisture levels typical for September, as well as some influence from a couple of early fall frontal systems that stalled across north and central Florida and helped to focus showers and thunderstorms across the southern part of the state.

As a result, large parts of south Florida ended up with September rainfall in excess of 10 inches (table below and Figure 1), especially across parts of Collier, Hendry and Glades counties as well as portions of metro southeast Florida. Most of south Florida had near to above normal precipitation, with the exception of eastern and southern sections of Miami-Dade County where monthly rainfall was generally in the 4 to 7 inch range, about 2 to 4 inches below normal.

Below is a list of September rainfall and departure from normal statistics (in inches) for select locations:

Location (Beginning of Period of Record)	Sep. 2014 Rain	Departure from Normal	Rank
Big Cypress - Hendry County	8.20		
Brighton Seminole Campground	5.60		
Canal Point (1941)	5.30	-0.57	
Ft Lauderdale/Hollywood Int'l Airport (1913)	9.84	+1.25	
Fort Lauderdale Beach	10.01		
Fort Lauderdale Executive Apt	11.73		

Hialeah (1940)	11.47	+0.66	16th Wettest
Hollywood (1963)	10.02	+1.43	
Homestead General Airport (1990)	4.25	-4.15	
Immokalee (1970)	7.93	+1.75	
Juno Beach	11.98		
LaBelle (1929)	8.18	+1.11	
Marco Island	11.78		
Miami Beach (1927)	6.13	-1.75	
Miami International Airport (1911)	7.25	-2.61	
Moore Haven (1918)	5.89	+0.07	
Muse	12.39		
Naples East/Golden Gate	12.91		
Naples Municipal Airport (1942)	10.08	+2.39	22nd Wettest
North Miami Beach	11.93		
NWS Miami – Sweetwater	7.40		
Oasis Ranger Station (1978)	8.01	-0.06	
Opa-Locka Airport	8.88		
Ortona	8.88	+0.04	
Palm Beach Gardens	9.80		
Palm Beach Int'l Airport (1888)	9.14	+0.79	
Pembroke Pines/North Perry Airport	9.56	+0.76	
Pompano Beach Airpark	6.49	-2.51	
Tamiami Airport – West Kendall	5.84	-3.45	
The Redland - Miami-Dade County (1942)	8.61	-0.38	
South Bay/Okeelanta	8.75		

Impacts of the rainfall were mainly confined to local flooding, especially in streets and poorly drained areas across southwest Florida and sections of southeast Florida. Thunderstorms resulted in two (2) people being struck and injured by lightning strikes, and no reports of severe wind gusts/tornadoes were received.

Temperatures

September temperatures were very close to normal across south Florida. Warmest temperatures were in the early to middle part of the month when highs reached the lower to mid-90s on several days.

- **Miami International Airport** had an average September temperature of 82.5 degrees Fahrenheit. This is 0.4 degrees below the 30-year normal. The average high temperature was 89F and the average low was 76F. The hottest temperature was 92 degrees on the 17th and the coolest was 72 degrees on the 23rd.

- **Palm Beach International Airport** had an average September temperature of 81.8 degrees Fahrenheit. This is right at the 30-year normal. The average high temperature was 88F and the average low was 75F. The hottest temperature was 91 degrees on the 5th and 30th and the coolest was 73 degrees on the 19th, 22nd, and 24th.

- **Fort Lauderdale/Hollywood International Airport** had an average September temperature of 83.3 degrees Fahrenheit. This is 0.1 degrees above the 30-year normal. The average high temperature was 89F and the average low was 78F. The hottest temperature was 93 degrees on the 17th and the coolest was 73 degrees on the 23rd.

- **Naples Municipal Airport** had an average September temperature of 82.0 degrees Fahrenheit. This is 0.4 degrees below the 30-year normal. The average high temperature was 89F and the average low was 75F. The hottest temperature was 93 degrees on the 6th and 15th and the coolest was 72 degrees on the 23rd.

Outlook for October to December

Latest outlooks by the [NOAA Climate Prediction Center](#) (CPC, Figures 2 and 3) for the last three months of the year are slightly-enhanced likelihood of above-normal precipitation and temperatures. This outlook is largely dependent on the probable development of an El Niño event this coming winter which at the present time has a 60 to 65 percent chance of developing.

October is historically the calendar month in which South Florida has been hit the most by hurricanes. Even in November, tropical storm and hurricane impacts are not totally unheard of.

October is the transition month from the wet season to the dry season. As a result, a fair amount of variability in precipitation and even temperatures can be expected, with periods of wet, humid and stormy conditions as well as drier, milder weather.

For the latest south Florida weather information, including the latest watches, advisories and warnings, please visit the National Weather Service Miami Forecast Office's web site at weather.gov/southflorida.

Florida: September, 2014 Monthly Observed Precipitation
Valid at 10/1/2014 1200 UTC- Created 10/2/14 13:44 UTC

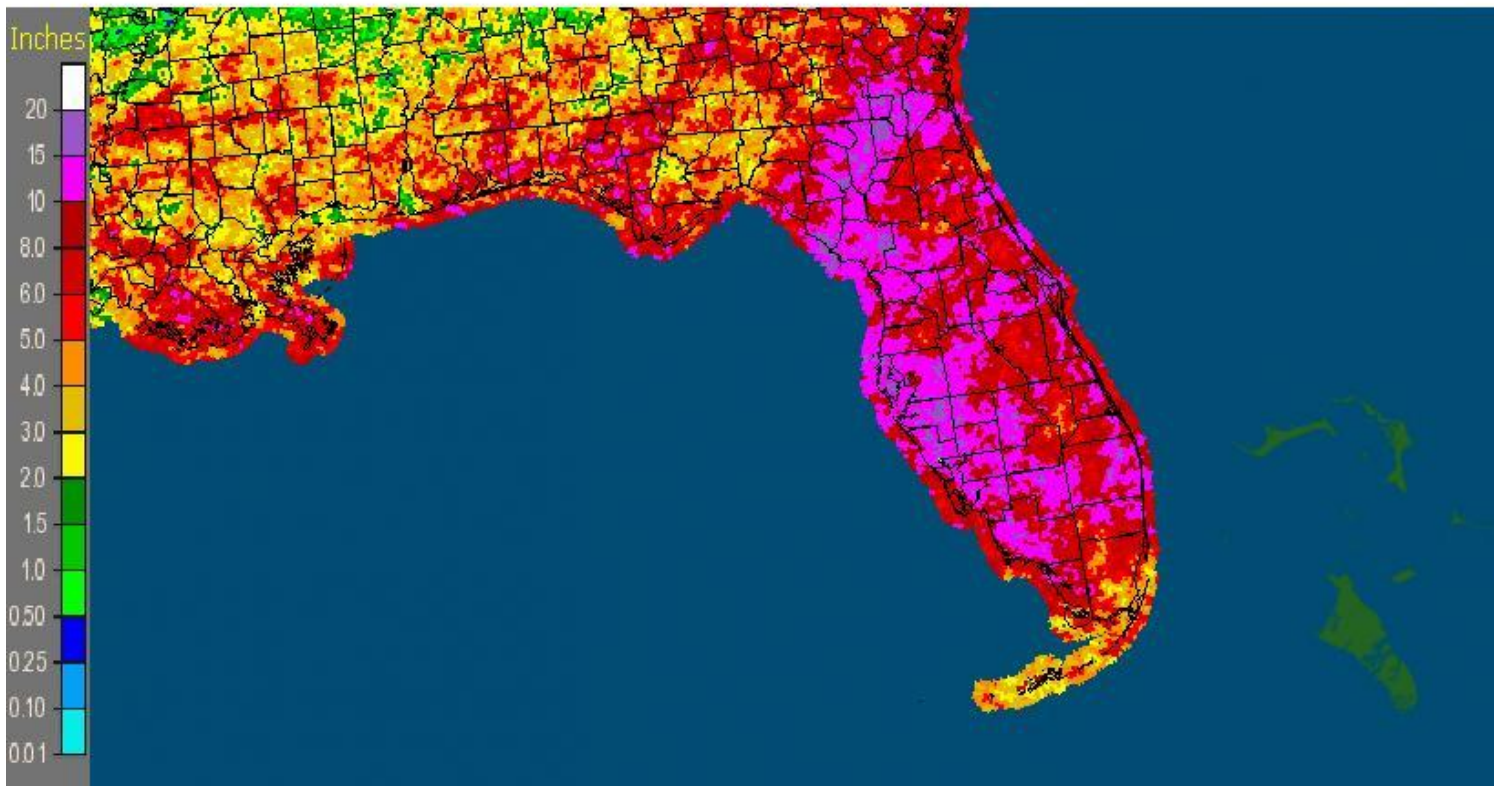
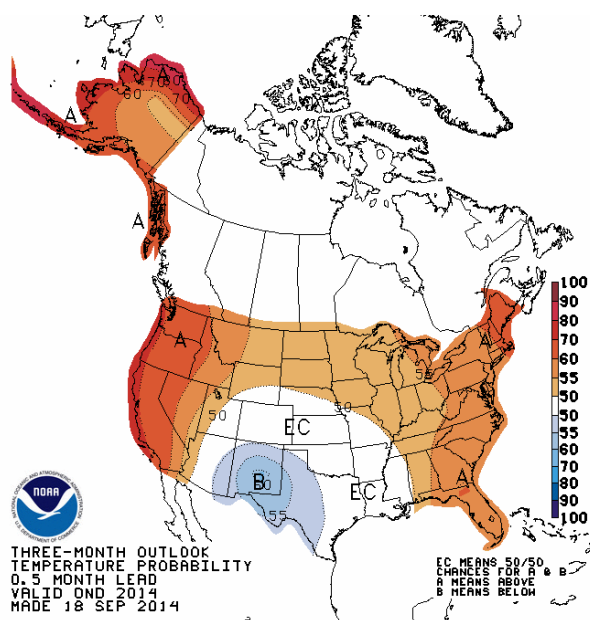
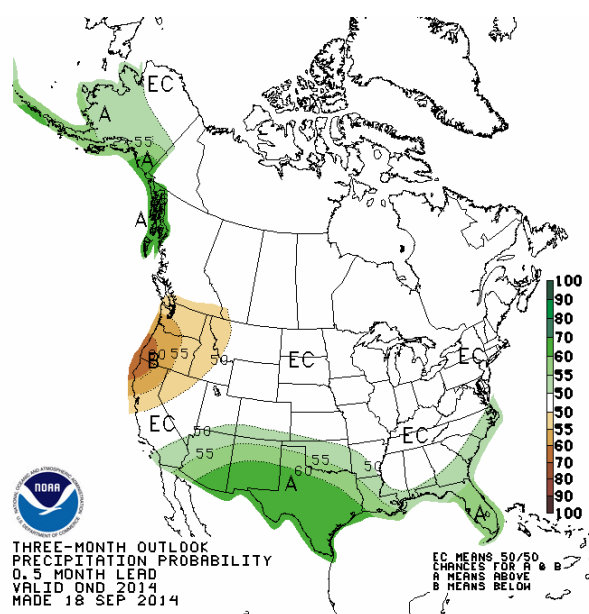


Figure 1: September 2014 precipitation. Magenta color depicts areas of 10 inches or greater.



Figures 2 and 3: October-December precipitation probability (left) and temperature probability (right) from NOAA's Climate Prediction Center (CPC).